PHASE II ENVIRONMENTAL SITE ASSESSMENT DakotAbilities Inc. Property 3510 and 3600 South Duluth Avenue Sioux Falls, SD

U.S. EPA COOPERATIVE AGREEMENT NO. BF-96835801-0 ACRES ID No.: 232283

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July 18, 2017 Stantec Project Number 193704261





DakotAbilities Property, Sioux Falls, South Dakota

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DakotAbilities Property, Sioux Falls, South Dakota

LIST OF ACRONYMS AND ABBREVIATIONS

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PHASE II ENVIRONMENTAL SITE ASSESSMENT DakotAbilities Property, Sioux Falls, South Dakota

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PHASE II ESA SIGNATURE PAGE EPA ASSESSMENT GRANTS FOR PETROLEUM AND HAZARDOUS SUBSTANCE BROWNFIELDS SITE INVESTIGATION – DAKOTABILITIES PROPERTY CITY OF SIOUX FALLS EPA COOPERATIVE AGREEMENT NO. BF-96835801-0

AWARD DATE: September 2015

This Phase II Environmental Site Assessment (ESA) was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of the City of Sioux Falls for using existing environmental data and conducting field and laboratory activities during implementation of site investigation at the DakotAbilities Property.

Date
7-18-17 Date
7/14/17 Date



DakotAbilities Property, Sioux Falls, South Dakota

1.0 EXECUTIVE SUMMARY

During June 2017, Stantec personnel completed a Phase II ESA of the DakotAbilities property located at 3600 South Duluth Avenue, Sioux Falls, South Dakota (hereinafter referred to as "the Site" or "the Property"). The purpose of the Phase II ESA was to evaluate if soil and groundwater at the Site was impacted from RECs and other environmental concerns identified during Stantec's May 2017 Phase I ESA. The potential for ACM and LBP to be present within the facility building was also evaluated. The project was completed using funds from an assessment grant for hazardous substance brownfields awarded to the City by the US EPA in 2015. The US EPA approved the eligibility determination for the Phase II ESA and assessment of LBP and ACM survey on February 13, 2017.

Legend, a subcontractor to Stantec, conducted an ACM and LBP Survey for the Site. Legend collected samples of building materials for laboratory analysis and assessed painted surfaces for the presence of lead by screening with a portable XRF analyzer. Fifty-eight samples were collected for laboratory analysis of asbestos. Of these, samples six were found to contain asbestos. Legend also tested eighty-six painted surfaces for the presence of lead. Of these, one was found to contain LBP, as defined by US EPA.

MWD, under the observation of a geologist from Stantec, advanced nine soil borings at the Site. Six of the borings were completed as temporary groundwater monitoring wells. Soil and groundwater samples were collected from the boreholes and temporary well locations. Soil types encountered at the Site consisted of approximately seven feet of dark brown clay fill, underlain by generally coarse sand with pebbles and fine gravel to approximately 20 feet bgs. No unusual odors, staining, elevated PID readings, or other field indicators of a contaminant release were observed in the soil samples. Groundwater was typically encountered at approximately 8.5 feet bgs. No unusual odors, sheen, or droplets were observed for the groundwater samples. Soil and groundwater samples were analyzed for PAHs, VOCs, TPH-GRO, TPH-DRO, and RCRA metals.

Laboratory analysis of VOCs and GRO in soil indicated no detectable concentrations in the samples collected. Analysis of SVOCs in soil indicated very low concentrations in five of the shallow soil samples and one of the deeper soil samples collected. Analysis of TPH-DRO in soil also indicated low concentrations in five of the shallow soil samples. Arsenic, barium, chromium, lead, and mercury, or a varying combination of these metals, were detected in all of the soil samples collected. The only analyte detected in soil above the RSL was arsenic, which commonly exceeds regulatory standards in midwestern states.

Laboratory analysis of VOCs, TPH-GRO, and TPH-DRO in groundwater indicated no detectable concentrations in the samples collected. Analysis of PAHs in groundwater indicated low concentrations in samples collected from two of the temporary monitoring wells. Arsenic, barium, and lead, or a varying combination of these metals, were detected in all of the groundwater samples. The only analyte to exceed the MCL was benzo(a)pyrene, which is not associated with printing operations. Further, benzo(a)pyrene is relatively insoluble and immobile. The detected concentration may be biased high due to the presence of colloidal material in the sample. Regardless, the Site is served by a municipal water supply as opposed to an onsite well, so ingestion of groundwater at this Site is highly unlikely.

Based on laboratory analytical results of the soil and groundwater samples collected at the Site, further investigation does not appear to be warranted. Groundwater should not be used for human consumption and if contaminated soils are encountered during redevelopment (i.e., excavated) of the Site they may need to be tested to determine proper disposal. ACM and LBP within the facility building should be properly managed as part of current Site use and future renovation.

DakotAbilities Property, Sioux Falls, South Dakota

2.0 BACKGROUND INFORMATION

2.1 SITE BACKGROUND INFORMATION

The Site is located at 3510 and 3600 South Duluth Avenue, Sioux Falls, South Dakota, and is located in in Section 32, Township 101 North, Range 50 West, in the City of Sioux Falls, Minnehaha County, South Dakota, as shown on Figure 1. The Property is comprised of two parcels as shown on Figure 2 and summarized below:

Address	City Parcel ID*	Acres*	Year Building Constructed	Square Feet*	Zoning/Primary Form*	Land Use Activity*
3510 South Duluth Avenue (North Parcel)	012232230009000	0.45	NA	19,583	Light Industrial (Parking lot)	33 Other Office (Asphalt paved parking)
3600 South Duluth Avenue (South Parcel)	012232230016000	0.97	1971. Additions in 1979, 1992.	42,295	Warehousing and Manufacturing – light (Office)	33 Other Office (Unoccupied office space)

From City of Sioux Falls Parcel Finder

(https://cityofsfgis.maps.arcgis.com/apps/Solutions/s2html?appid=c9dcf67386574fdea510bb0a0de35d3a)

Combined, the two parcels are approximately 1.4 acres in size. A paved parking lot covers the majority of the North Parcel. The North Parcel slopes gently to the south and southwest and has grassed (right-of-way) areas along the western edge. The South Parcel contains a single-story, 15,400 square foot building and a small metal shed. Paved parking, grassed (right-of-way and lawn), and landscaped areas cover the remainder of the South Parcel. From its northern edge, the South Parcel is generally flat. The Site building was constructed in 1971, with additions in 1979 and 1992. From 1971 to the late-1970s, a printing business occupied the Site. Since at least the early 1980s to 2016, the Site was occupied by businesses providing health services, with the building used as office space and an educational/training center. DakotAbilities, Inc. acquired the Site in 1985 from O'Connor Printing. The Site building is currently vacant.

In May 2017, Stantec completed a Phase I ESA at the Site (Stantec, 2017) that identified the following recognized environmental conditions (RECs):

- Historic use of the Site by a printing business; and
- Current use of the adjacent property to the north as a printing business.

Based on historical records, a printing business occupied the Site from 1971 to the late-1970s. Sisson Printing has occupied the adjacent property to the north since the mid-1990s. Printing facilities are often associated with paint and solvents contamination. Given the age of the Site building, the potential for building materials to contain ACM and LBP is increased. To further evaluate the RECs listed above and other identified environmental concerns, Stantec completed a Phase II ESA at the Property.

3.0 DESCRIPTION OF INVESTIGATION

Field activities were completed in accordance with the SSSAP (Stantec, 2017) submitted to, and approved by, the US EPA in May 2017, prior to initiation of field activities.

3.1 ACM AND LBP SURVEY

On June 7, 2017, Legend, of St. Paul, Minnesota, conducted an ACM and LBP Survey for the Site. Legend collected samples of building materials for laboratory analysis and assessed painted surfaces for the presence of lead by screening with a portable XRF analyzer. Since lead was not detected in the exterior wall coatings, soil samples were not collected and analyzed for lead. The report prepared by Legend, including laboratory analytical results, is included in Appendix A.

3.2 SOIL BORING INSTALLATION AND SAMPLING

On June 6 and 7, 2017, MWD of Morris, Minnesota advanced nine borings (designated GP-1 through GP-7, and GP-5A, GP-5B, and GP-5C) on the Property. The borings were installed on the Property using a truck-mounted Geoprobe® rig, except for borings GP-5A, GP-5B, and GP-5C, which were advanced inside the Site building using a hand auger due to limited overhead clearance. Borings GP-1, GP-2, and GP-7 were installed in paved parking. Boring GP-3 was installed near the front door of the Site building and just east and south of a number of underground utilities. Boring GP-4 was installed near a corner of the metal shed. Boring GP-6 was installed near a corner of the Site building's garage. Stantec personnel collected soil samples continuously at each boring location from the ground surface to the depth of rig refusal on dense sand and gravel and lack of sample recovery in this saturated and non-cohesive material. At GP-5A, hand auger refusal was encountered at 2 feet bgs. Two offset borings, GP-5B and GP-5C were advanced but each refused at this depth as well. Each boring location was surveyed for its horizontal position using a hand-held GPS and the ground surface elevation at each boring location was surveyed using a level and rod. This data is summarized in Table 1. The soil boring locations are shown on Figure 3.

Each soil sampling interval was divided into two aliquots; one used for field screening purposes and one used to supply materials for potential submittal to the laboratory for chemical analysis. A portion of each sample was field screened for the presence of VOCs using a PID equipped with an 11.7 eV lamp by placing the sample into a sealable plastic bag. The other portion of each soil sample was immediately placed into laboratory provided containers, sealed, and placed in a cooler with ice. All non-disposable soil sampling equipment was washed with a detergent solution and double-rinsed with tap water before and after each soil sample was collected to prevent sample cross-contamination. The PID data for samples collected from each borehole are included on the geologic logs which are included in Appendix B.

Soil samples were collected from the upper unsaturated zone at each boring and from the unsaturated zone just above the water table at each boring, with the exception of GP-5A, GP-5B, and GP-5C, and submitted for laboratory analysis of VOCs, PAHs, TPH-GRO, TPH-DRO, and RCRA metals. In accordance with the QAPP, a field duplicate and MS/MSD volume were collected as part of soil sampling activities. A trip blank was placed in the cooler containing the soil samples and accompanied the samples to the laboratory. Analytical results for the soil samples and the associated trip blank are presented in Table 2.

3.3 TEMPORARY WELL INSTALLATION AND GROUNDWATER SAMPLING

Six temporary groundwater monitoring wells were installed as part of the field activities. Temporary wells were constructed in all soil borings except for GP-5A, GP-5B, and GP-5C. The temporary wells were constructed using 1-inch inner diameter, Schedule 40 PVC casing with 10-foot factory-slotted PVC screens (0.010-inch slot). A sand filter pack was placed from the bottom of the borehole to 1 foot above the top of the screen and the remainder of the borehole was left open. Temporary wells



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GP-1/TW-1, GP-2/TW-2, and GP-7/TW-2 were installed with the well screen intersecting the water table. At GP-3/TW-3, GP-4/TW-4, and GP-6/TW-6, the well screen was submerged. The temporary well locations are shown on Figure 3.

The elevation of the top of the well casing at each temporary well was surveyed using a level and rod. Static water level elevations were also collected at each temporary well prior to sampling using an oil-water interface probe. The hydraulic gradient on the North Parcel was calculated to be less than one percent to the south. The hydraulic gradient on the South Parcel was slightly steeper at approximately one percent to the south. This data is summarized in Table 1.

On June 7, 2017, Stantec personnel collected groundwater samples from each of the six temporary monitoring wells. Prior to sampling, each well was developed/purged until a minimum of three well volumes were removed and the turbidity of the water was low (less than or near 50 NTU). During well purging and sampling, observations were made for the presence of odors, oil droplets, or fuel-related sheen in the water, which could indicate the presence of light or dense NAPL. No evidence of NAPL was observed. Groundwater samples were collected using a peristaltic pump which routed the water directly into pre-cleaned sample bottles provided by TestAmerica. The groundwater samples were packed into a cooler with ice immediately after collection and submitted for laboratory analysis of VOCs, PAHs, TPH-GRO, TPH-DRO, and RCRA metals (totals). In accordance with the QAPP, a field duplicate and MS/MSD volume were collected as part of groundwater sampling activities. Two trip blanks were placed in the coolers containing the groundwater samples and accompanied the samples to the laboratory. Analytical results for the groundwater samples and associated trip blanks are presented in Table 3.

All soil borings/temporary wells were properly plugged and abandoned by MWD following sampling. The completed South Dakota well and test hole plugging report, signed by MWD and a representative of the City of Sioux Falls, is included as Appendix C.

July 18, 2017



For the purpose of this report, concentrations of contaminants detected in soil were evaluated based on the associated US EPA RSLs for Industrial Soil, and concentrations of contaminants detected in groundwater were evaluated based on the associated US EPA MCLs, as of June 2017.

Design with community in mind

Page 5

DakotAbilities Property, Sioux Falls, South Dakota

5.0 RESULTS OF INVESTIGATION

5.1 REGULATED BUILDING MATERIALS SURVEY

The survey completed by Legend identified ACM and LBP in the Site building materials. The report prepared by Legend, including laboratory analytical results, is included in Appendix A.

5.2 SUBSURFACE CONDITIONS

Soils encountered at the Site consisted of approximately seven feet of dark brown clay fill, underlain by generally coarse-grained sand with pebbles and fine gravel to 20 feet bgs. Static groundwater elevations collected on June 7, 2017, are included in Table 1. Based on these elevations, the groundwater flow direction appears to be to the south/southwest, as indicated on Figure 4.

5.3 FIELD SCREENING RESULTS

PID readings of soil collected from the borings were consistently 0.0 instrument units. PID readings are included on the soil boring logs presented in Appendix B.

5.4 SOIL ANALYTICAL RESULTS

As indicated previously and in Table 2, laboratory analysis of VOCs, in the soil samples collected, indicated no detectable concentrations. Likewise, the associated trip blank had no detections.

Analysis of PAHs in soil indicated very low concentrations in four of the shallow soil samples (GP-1 0-2.5', GP-3 0-2.5', GP-5A 0-2', and GP-6 0-2.5') and one of the deeper soil samples collected (GP-2 5-7.5').

Analysis of DRO in soil also indicated low concentrations in five of the shallow soil samples (GP-2 0-2.5', GP-3 0-2.5', GP-4 0-2.5', GP-6 0-2.5', and GP-7 0-2.5'). The highest concentration of TPH-DRO was detected in soil sample GP-6 0-2.5' at 348 mg/kg. However, for four of the five detections of TPH-DRO in soil, the chromatographic response did not resemble a typical fuel pattern, as noted in the laboratory analytical report. The chromatogram peaks are within the "diesel window" but they do not follow the typical pattern. Pattern fitting aside, concentrations of TPH-DRO in the shallow soil are likely related to automobiles.

Arsenic, barium, chromium, lead, and mercury, or a varying combination of these metals, were detected in all of the soil samples collected. The highest concentration of arsenic was detected in soil sample GP-3 6.5-9' at 23.3 mg/kg. The highest concentration of barium was detected in soil sample GP-6 5.5-8' at 694 mg/kg. The highest concentration of chromium was detected in soil sample GP-2 5-7.5' at 31.0 mg/kg. The highest concentration of lead was detected in soil sample GP-3 0-2.5' at 82.0 mg/kg. The highest concentration of mercury was detected in soil sample GP-1 5-7.5' at 0.0642 mg/kg.

The only analyte detected in soil above the RSL was arsenic, which commonly exceeds regulatory standards in midwestern states. The soil laboratory analytical report and chain-of-custody form is included in Appendix D.

5.5 GROUNDWATER ANALYTICAL RESULTS

As indicated previously and in Table 3, laboratory analysis of VOCs and TPH-DRO in groundwater indicated no detectable concentrations in the samples collected. Likewise, the associated trip blanks had no detections of VOCs.

Analysis of SVOCs in groundwater indicated low concentrations in samples collected from two of the temporary monitoring wells. In the sample collected from TW-3, 10 PAHs were detected. In the sample collected from TW-6, 2 PAHs were detected.



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July 18, 2017

Arsenic, barium, and lead, or a varying combination of these metals, were detected in samples collected from all of the temporary monitoring wells. The highest concentrations of arsenic and barium were detected in groundwater sample TW-6 at 0.00402 mg/L, and 0.202 mg/L, respectively. The highest concentration of lead was detected in groundwater sample TW-4 at 0.00190 mg/L.

The only analyte to exceed the MCL was benzo(a)pyrene which is not associated with printing operations. The groundwater laboratory analytical report and chain-of-custody form is included in Appendix D.

6.0 CONCLUSIONS, RECOMMENDATIONS, AND LIMITATIONS

Soils encountered at the Site consisted of approximately seven feet of dark brown clay fill, underlain by generally coarse-grained sand with pebbles and fine gravel to approximately 20 feet bgs. Saturated soil conditions were encountered in all borings at approximately 8.5 feet bgs. Field screening, olfactory, and visual observation of soil samples did not indicate any obvious impacts to soil from a chemical release. Olfactory and visual observation of groundwater samples also did not indicate any obvious impacts to groundwater from a chemical release.

The results of the soil and groundwater investigation portion of the Phase II ESA indicate very low impacts to soil by SVOCs and DRO and very low impacts to groundwater by PAHs.

Detected SVOCs in soil and groundwater may represent a small historical release, though it is unclear whether this occurred on the Site. The release may have occurred in the northwestern portion of the Site near GP-1/TW-1, which has detectable concentrations of SVOCs in the shallow soil but no impacts in the groundwater, or near GP-3/TW-3 or GP-6/TW-6 which both have detectable concentrations of SVOCs in the shallow soil and the groundwater. However, the GP-1 area is topographically higher, and at the time of this investigation, was slightly hydraulically upgradient of both GP-3/TW-3 and GP-6/TW-6. This suggests such a potential release may have occurred to the soil near GP-1/TW-1 and migrated downgradient. However, the detected SVOCs are associated with combustion processes or heat and power generation, tar, and asphalt and not printing operations. It is possible the presence of these PAHs is related to natural or anthropogenic prehistoric fires.

Detected metals at the Site likely represent naturally occurring background concentrations. It is possible the barium concentration at GP-6 could be related to a release of rodenticide; or given the Site history, a release paint, varnish, ink, or paper coating pigment. However, the RSL for barium was not exceeded.

The ACM and LBP Survey completed by Legend identified ACM and LBP associated with the Site building. Six asbestos samples tested positive for asbestos and one painted surface tested positive for lead as defined by US EPA. Refer to Legend's report (Appendix A) for specific ACM and LBP recommendations.

Based on laboratory analytical results of the soil and groundwater samples collected at the Site, further investigation does not appear to be warranted. Groundwater should not be used for human consumption and if contaminated soils are encountered during redevelopment (i.e., excavated) of the Site they may need to be tested to determine proper disposal. ACM and LBP within the facility building should be properly managed as part of current and future Site use, renovation, or demolition.



DakotAbilities Property, Sioux Falls, South Dakota

July 18, 2017

LIMITATIONS

The Phase II ESA was performed in accordance with generally accepted practices for the environmental consulting profession. Stantec observed the degree of care and skill that are generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Stantec's observations, findings, and opinions should not be considered as scientific certainties, but only as opinion based on our professional judgment concerning the significance of the data gathered during the course of this investigation. Specifically, Stantec cannot represent that the Property does not contain any hazardous or toxic materials or other latent conditions beyond that observed by Stantec during the course of the investigation. Additionally, due to limitations of this investigation process and the necessary use of data furnished by others, Stantec and its subcontractors cannot assume liability if actual conditions differ from the information presented in this report.



DakotAbilities Property, Sioux Falls, South Dakota

7.0 REFERENCES

Stantec Consulting Services Inc., Phase I Environmental Site Assessment, May 2017.

Stantec Consulting Services Inc., Site-Specific Sampling and Analysis Plan, Site Investigation, DakotAbilities Property, Sioux Falls, SD 58701, May 26, 2017.

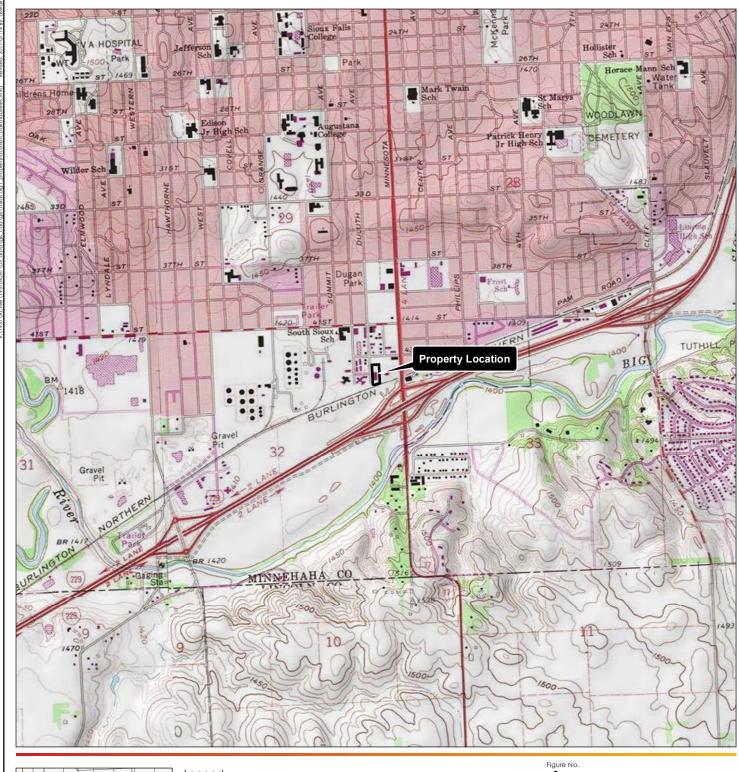
Stantec Consulting Services Inc., Quality Assurance Project Plan, Revision 2, dated June 17, 2016, with final approval July 16, 2016.

USEPA Regional Screening Levels Tables, June 2017; https://www.epa.gov/risk/regional-screening-levels-rsls-whats-new-june-2017.



DakotAbilities Property, Sioux Falls, South Dakota

FIGURES





Property Boundary

- Notes

 1. Coordinate System: NAD 1983 StatePlane South Dakota
 South FIPS 4002 Feet
 2. Data Sources Include: Stantec, Sloux Falls, NADS
 3. Background: USGS 7.5' Topographic Quadrangles

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1

Title

Property Location Map

Client/Project
Dakotabilities Property

3600 South Duluth Avenue Sioux Falls, SD

Project Location

193704261 Ti01N, R50W, S32, Prepared by AJS on 2017-04-12
C. of Sioux Falls, Technical Review by CCH on 2017-04-14
Minnehaha Co., SD Independent Review by HW on 2017-04-14

1,000 1:24,000 (at original document size of 8.5x11)







Property Boundary

Parcel Boundary

- Notes

 1. Coordinate System: NAD 1983 StatePlane South Dakota
 South FIPS 4002 Feet
 2. Data Sources Include: Stantec, Sloux Falls, NSTRI, NADS
 3. Orthophotography: ESRI World Imagery

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Figure No.

Title

Site Layout

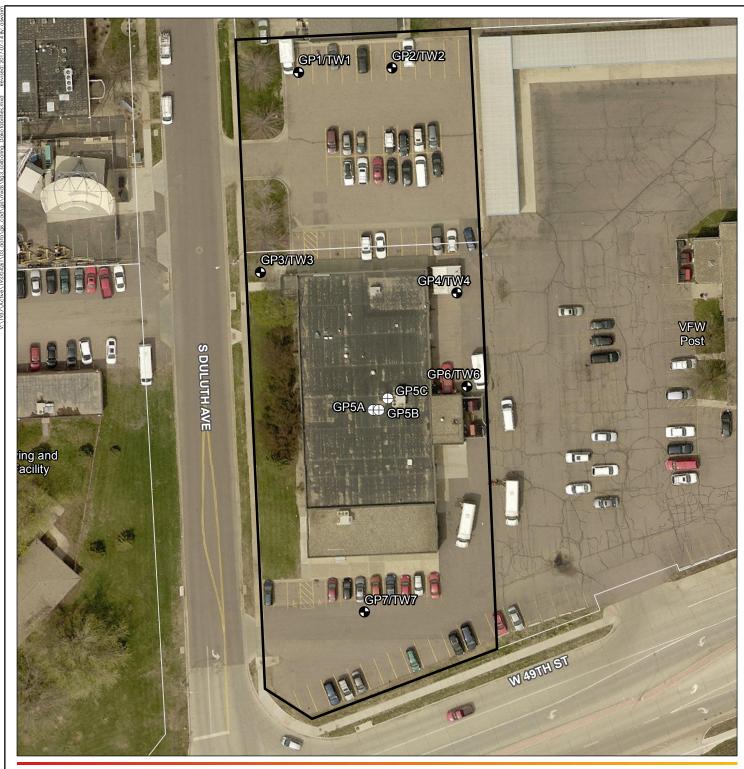
Client/Project
Dakotabilities Property
3600 South Duluth Avenue Sioux Falls, SD

Project Location 193704261 T101N, R50W, S32, Prepared by AJS on 2017-04-14 Minnehaha Co., SD Independent Review by CCH on 2017-04-14

0 50 100 Feet 1:1,200 (at original document size of 8.5x11)









Property Boundary

Parcel Boundary

 \oplus Borehole Location

Temporary Well Location

- Coordinate System: NAD 1983 StatePlane South Dakota South FIPS 4002 Feet
- Data Sources Include: Stantec, Sioux Falls, NSTRI, NADS
 Orthophotography: ESRI World Imagery

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Figure No.

Title

Soil Boring / Temporary **Monitoring Well Locations**

Client/Project
Dakotabilities Property
3600 South Duluth Avenue

Sioux Falls, SD

Project Location 193704261 T101N, R50W, S32, Updated by AJS on 2017-04-28 C., of Sloux Falls, Technical Review by CCH on 2017-04-14 Minnehaha Co., SD Independent Review by HW on 2017-04-14 1:720 (at original document size of 8.5x11)









Property Boundary

Parcel Boundary

 \oplus Borehole Location

• Temporary Well Location with Groundwater Elevation

Groundwater Contour Location

- Coordinate System: NAD 1983 StatePlane South Dakota South FIPS 4002 Feet
- Data Sources Include: Stantec, Sioux Falls, NSTRI, NADS Orthophotography: ESRI World Imagery

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Figure No.



Potentiometric Surface Map June 7, 2017

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3600 South Duluth Avenue

Sioux Falls, SD

Project Location 193704261 T101N, R50W, S32, Updated by AJS on 2017-06-28 C. of Sioux Falls, Technical Review by CCH on 2017-04-14 Minnehaha Co., SD Independent Review by HW on 2017-04-14









DakotAbilities Property, Sioux Falls, South Dakota

TABLES

TABLE 1

SOIL BORING/TEMPORARY MONITORING WELL SURVEY DATA DAKOTABILITIES PHASE II ESA SIOUX FALLS, SOUTH DAKOTA

Location	Northing	Easting	Ground Surface Elevation (ft ASL)	TOC Elevation (ft ASL)	Well Depth (ft btoc)	Depth to Static Water Level 6/7/2017 (ft btoc)	Potentiometric Surface Elevation 6/7/2017 (ft ASL)	Purge Volume (gallons)	Well Volumes Removed
GP1/TW1	43.51247	-96.73344	1412.45	1414.75	19.87	10.44	1404.31	2.75	5.9
GP2/TW2	43.51247	-96.73322	1413.21	1415.13	19.48	10.63	1404.5	2.00	4.3
GP3/TW3	43.51213	-96.73355	1411.25	1412.21	19.62	8.17	1404.04	2.50	5.3
GP4/TW4	43.51208	-96.73309	1411.73	1412.4	19.68	8.48	1403.92	2.00	4.3
GP5A, GP5B, GP5C	-		1412.25	NA	NA	NA	NA	NA	NA
GP6/TW6	43.51194	-96.73311	1412.02	1412.44	19.54	8.89	1403.55	1.50	3.2
GP7/TW7	43.51154	-96.73334	1410.9	1411.04	19.52	10.64	1400.40	3.50	7.4

Notes:

-- = Not available.

ASL = Above sea level.

bgs = Below ground surface.

btoc = Below top of casing.

ft = Feet.

NA = Not applicable.

TABLE 2

SOIL ANALYTICAL RESULTS

DAKOTABILITIES PROPERTY PHASE II ESA
SIOUX FALLS, SOUTH DAKOTA

		Sample ID: boratory ID: ample Date:	GP1 (0-2.5') 310-107574-1 6/6/2017	GP1 (5-7.5') 310-107574-2 6/6/2017	GP2 (0-2.5') 310-107574-3 6/6/2017	GP2 (5-7.5') 310-107574-4 6/6/2017	GP3 (0-2.5') 310-107574-5 6/6/2017	GP3 (6.5-9') 310-107574-6 6/6/2017	GP4 (0-2.5') 310-107574-7 6/6/2017	GP4 (5.5-8') 310-107574-8 6/6/2017	GP5A (0-2') 310-107574-9 6/6/2017	FD1 (0-2') 310-107574-14 6/6/2017	GP6 (0-2.5') 310-107574-10 6/6/2017	GP6 (5.5-8') 310-107574-11 6/6/2017	GP7 (0-2.5') 310-107574-12 6/6/2017	GP7 (7.5-10') 310-107574-13 6/6/2017		TB1 310-107574-15 6/6/2017	TB2 310-107574-16 6/6/2017
Analytes	Units	RSL										RP	D				Units		
olatile Organic Compounds																			
Acetone	mg/Kg	670000	0.129 U	0.152 U	0.127 U	0.133 U	0.134 U, F1	0.144 U	0.132 U	0.117 U	0.121 U	0.144 U -	0.123 U	0.146 U	0.118 U	0.126 U	μg/L	10 U	10 U
Benzene	mg/Kg	5.1	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U _	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	0.500 U	0.500 U
Bromobenzene	mg/Kg	1800	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Bromochloromethane	mg/Kg	630	0.0129 U 0.0129 U	0.0152 U	0.0127 U 0.0127 U	0.0133 U 0.0133 U	0.0134 U 0.0134 U	0.0144 U 0.0144 U	0.0132 U 0.0132 U	0.0117 U 0.0117 U	0.0121 U 0.0121 U	0.0144 U _ 0.0144 U _	0.0123 U 0.0123 U	0.0146 U 0.0146 U	0.0118 U 0.0118 U	0.0126 U 0.0126 U	μg/L	5.00 U 1.00 U	5.00 U 1.00 U
romodichloromethane	mg/Kg	1.3 86	0.0127 U	0.0152 U 0.0303 U	0.0127 U	0.0133 U 0.0267 U	0.0268 U	0.0289 U	0.0264 U	0.0235 U	0.0121 U	0.0144 U =	0.0245 U	0.0148 U	0.0235 U	0.0252 U	μg/L μg/L	5.00 U	5.00 U
Bromoform	mg/Kg mg/Kg	30	0.0237 U	0.0303 U 0.0607 U	0.0508 ()	0.0533 []	0.0537 U	0.0578 U	0.0527 U	0.0469 U	0.0485 U	0.0575 U _	0.0243 U	0.0583 U	0.0470 U	0.0503 U	μg/L μg/L	4.00 U	4.00 U
romomethane -Butanone (MEK)	mg/Kg mg/Kg	190000	0.129 U	0.0607 U	0.127 U	0.133 U	0.134 U	0.144 U	0.132 U	0.117 U	0.121 U	0.144 U -	0.123 U	0.146 U	0.118 U	0.126 U	μg/L μg/L	10.00 U	10.00 U
-Butylbenzene	mg/Kg	58000	0.0129 U	0.152 U	0.0127 ()	0.0133 ()	0.0134 U	0.144 U	0.132 U	0.0117 U	0.0121 U	0.0144 U _	0.123 U	0.0146 U	0.0118 U	0.126 U	μg/L μg/L	1.00 U	1.00 U
ec-Butylbenzene	mg/Kg	120000	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
ert-Butylbenzene	mg/Kg	120000	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Carbon Disulfide	mg/Kg	3500	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Carbon Tetrachloride	mg/Kg	2.9	0.0129 U	0.0152 U	0.0127 U	0.0133 []	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	2.00 U	2.00 U
Chlorobenzene	mg/Kg	1300	0.0129 U	0.0152 U	0.0127 U	0.0133 []	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Chlorodibromomethane	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	5.00 U	5.00 U
Chloroethane	mg/Kg	NE	0.0518 U	0.0607 U	0.0508 U	0.0533 U	0.0537 U	0.0578 U	0.0527 U	0.0469 U	0.0485 U	0.0575 U	0.0490 U	0.0583 U	0.0470 U	0.0503 U	μg/L	4.00 U	4.00 U
Chloroform	mg/Kg	1.4	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
hloromethane	mg/Kg	460	0.0518 U	0.0607 U	0.0508 U	0.0533 U	0.0537 U	0.0578 U	0.0527 U	0.0469 U	0.0485 U	0.0575 U	0.0490 U	0.0583 U	0.0470 U	0.0503 U	μg/L	3.00 U	3.00 U
-Chlorotoluene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
-Chlorotoluene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
2-Dibromo-3-chloropropane	mg/Kg	0.064	0.129 U	0.152 U	0.127 U	0.133 U	0.134 U	0.144 U	0.132 U	0.117 U	0.121 U	0.144 U -	0.123 U	0.146 U	0.118 U	0.126 U	μg/L	5.00 U	5.00 U
2-Dibromoethane (EDB)	mg/Kg	0.16	0.129 U	0.152 U	0.127 U	0.133 U	0.134 U	0.144 U	0.132 U	0.117 U	0.121 U	0.144 U -	0.123 U	0.146 U	0.118 U	0.126 U	μg/L	1.00 U	1.00 U
ibromomethane	mg/Kg	99	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
2-Dichlorobenzene	mg/Kg	9300	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
3-Dichlorobenzene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U -	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
4-Dichlorobenzene	mg/Kg	12000	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
ichlorodifluoromethane	mg/Kg	370	0.0388 U	0.0455 U	0.0381 U	0.0400 U	0.0403	0.0433 U	0.0395 U	0.0352 U	0.0364 U	0.0431 U	0.0368 U	0.0437 U	0.0353 U	0.0377 U	μg/L	3.00 U^	3.00 U
,1-Dichloroethane	mg/Kg	16	0.0129 U 0.0129 U	0.0152 U	0.0127 U 0.0127 H	0.0133 U 0.0133 H	0.0134 U 0.0134 U	0.0144 U 0.0144 U	0.0132 U 0.0132 U	0.0117 U 0.0117 U	0.0121 U 0.0121 U	0.0144 U _ 0.0144 U _	0.0123 U 0.0123 U	0.0146 U 0.0146 U	0.0118 U 0.0118 U	0.0126 U 0.0126 U	μg/L	1.00 U 1.00 U	1.00 U 1.00 U
,2-Dichloroethane	mg/Kg	2	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U =	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	2.00 U*	2.00 U*
,1-Dichloroethene	mg/Kg	1000	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U =	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
is-1,2-Dichloroethene	mg/Kg	2300 23000	0.0129 U	0.0152 U 0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U =	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L μg/L	1.00 U	1.00 U
ans-1,2-Dichloroethene ,2-Dichloropropane	mg/Kg	1.2	0.0127 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U _	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L μg/L	1.00 U	1.00 U
,3-Dichloropropane	mg/Kg mg/Kg	23000	0.0127 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U _	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L μg/L	1.00 U	1.00 U
,2-Dichloropropane	mg/Kg	NE NE	0.0518 U	0.0607 U	0.0508 U	0.0533 U	0.0537 U	0.0578 U	0.0527 U	0.0469 U	0.0485 U	0.0575 U	0.0490 U	0.0583 U	0.0470	0.0503 U	μg/L	4.00 U	4.00 U
,1-Dichloropropene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 ()	0.0333 ()	0.0337 U	0.0376 U	0.0327 U	0.0487 U	0.0121 U	0.0144 U _	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
:is-1,3-Dichloropropene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 ()	0.0133 ()	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	5.00 U	5.00 U
ans-1,3-Dichloropropene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 []	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	5.00 U	5.00 U
thylbenzene	mg/Kg	25	0.0129 U	0.0152 U	0.0127 ()	0.0133 []	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
exachlorobutadiene	mg/Kg	5.3	0.0647 U	0.0758 U	0.0635 U	0.0666 U	0.0671 U	0.0722 U	0.0659 U	0.0587 U	0.0607 U	0.0719 U	0.0613 U	0.0729 U	0.0588 U	0.0629 U	μg/L	5.00 U	5.00 U
lexane	mg/Kg	NE	0.0647 U	0.0758 U	0.0635 U	0.0666 U	0.0671 U	0.0722 U	0.0659 U	0.0587 U	0.0607 U	0.0719 U -	0.0613 U	0.0729 U	0.0588 U	0.0629 U	μg/L	1.00 U	1.00 U
opropylbenzene	mg/Kg	9900	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
-Isopropyltoluene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
lethylene Chloride	mg/Kg	1000	0.129 U	0.152 U	0.127 U	0.133 U	0.134 U	0.144 U	0.132 U	0.117 U	0.121 U	0.144 U	0.123 U	0.146 U	0.118 U	0.126 U	μg/L	5.00 U	5.00 U
ethyl tert-Butyl Ether	mg/Kg	210	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
aphthalene	mg/Kg	NE	0.0647 U	0.0758 U	0.0635 U	0.0666 ∪	0.0671 U	0.0722 U	0.0659 U	0.0587 U	0.0607 U	0.0719 U	0.0613 U	0.0729 ป	0.0588 U	0.0629 ∪	μg/L	5.00 U	5.00 U
Propylbenzene	mg/Kg	NE	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
yrene	mg/Kg	35000	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U -	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 L
1,1,2-Tetrachloroethane	mg/Kg	8.8	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
,1,2,2-Tetrachloroethane	mg/Kg	2.7	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
etrachloroethene	mg/Kg	100	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U*	1.00 U
oluene	mg/Kg	47000	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U	0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 L

TABLE 2

SOIL ANALYTICAL RESULTS DAKOTABILITIES PROPERTY PHASE II ESA SIOUX FALLS, SOUTH DAKOTA

	Lal	Sample ID: boratory ID: imple Date:	GP1 (0-2.5') 310-107574-1 6/6/2017	GP1 (5-7.5') 310-107574-2 6/6/2017	GP2 (0-2.5') 310-107574-3 6/6/2017	GP2 (5-7.5') 310-107574-4 6/6/2017	GP3 (0-2.5') 310-107574-5 6/6/2017	GP3 (6.5-9') 310-107574-6 6/6/2017	GP4 (0-2.5') 310-107574-7 6/6/2017	GP4 (5.5-8') 310-107574-8 6/6/2017	GP5A (0-2') 310-107574-9 6/6/2017	FD1 (0-2') 310-107574-14 6/6/2017		GP6 (0-2.5') 310-107574-10 6/6/2017	GP6 (5.5-8') 310-107574-11 6/6/2017	GP7 (0-2.5') 310-107574-12 6/6/2017	GP7 (7.5-10') 310-107574-13 6/6/2017		TB1 310-107574-15 6/6/2017	TB2 310-107574-16 6/6/2017
Analytes	Units	RSL											RPD					Units		
Volatile Organic Compounds (continued)																				
1,2,3-Trichlorobenzene	mg/Kg	930	0.0647 U	0.0758 U	0.0635 U	0.0666 U	0.0671 U	0.0722 U	0.0659 ∪	0.0587 U	0.0607 U	0.0719 U	-	0.0613 U	0.0729 ∪	0.0588 U	0.0629 ∪	μg/L	5.00 U	5.00 U
1,2,4-Trichlorobenzene	mg/Kg	110	0.0647 U	0.0758 U	0.0635 U	0.0666 U	0.0671 U	0.0722 U	0.0659 ∪	0.0587 U	0.0607 U	0.0719 U	-	0.0613 U	0.0729 ∪	0,0588 U	0.0629 ∪	μg/L	5.00 U	5.00 U
1,1,1-Trichloroethane	mg/Kg	36000	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
1,1,2-Trichloroethane	mg/Kg	5	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Trichloroethene	mg/Kg	6	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Trichlorofluoromethane	mg/Kg	350000	0.0518 U	0.0607 U	0.0508 U	0.0533 U	0.0537 U	0.0578 U	0.0527 U	0.0469 U	0.0485 U	0.0575 U	-	0.0490 U	0.0583 U	0.0470 U	0.0503 U	μg/L	4.00 U	4.00 U
1,2,3-Trichloropropane	mg/Kg	0.11	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
1,2,4-Trimethylbenzene	mg/Kg	1800	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
1.3.5-Trimethylbenzene	mg/Kg	1500	0.0129 U	0.0152 U	0.0127 U	0.0133 U	0.0134 U	0.0144 U	0.0132 U	0.0117 U	0.0121 U	0.0144 U		0.0123 U	0.0146 U	0.0118 U	0.0126 U	μg/L	1.00 U	1.00 U
Vinyl Chloride	mg/Kg	1.7	0.0388 U	0.0455 U	0.0381 ()	0.0400 []	0.0403 U	0.0433 U	0.0395 U	0.0352 U	0.0364 U	0.0431 U	_	0.0368 U	0.0437 U	0.0353 U	0.0377 U	μg/L	1.00 U	1.00 U
Xylenes, Total	mg/Kg	2500	0.0388 U	0.0455 U	0.0381 U	0.0400 U	0.0403 U	0.0433 U	0.0395 U	0.0352 U	0.0364 U	0.0431 U		0.0368 U	0.0437 U	0.0353 U	0.0377 U	μg/L	3.00 U	3.00 U
Semi-Volatile Organic Compounds																				
2-Methylnaphthalene	mg/Kg	3000	0.104 U	0.0126 U	0.172 U	0.0125	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U		0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Acenaphthene	mg/Kg	45000	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U		0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Acenaphthylene	mg/Kg	NE	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	_	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Anthracene	mg/Kg	230000	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	_	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Benzo (a) anthracene	mg/Kg	21	0.104 U	0.0126 U	0.172 U	0.0125 ()	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	_	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Benzo (a) pyrene	mg/Kg	2.1	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U		0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
		21	0.104 U	0.0126 U	0.172 U	0.0125 ()	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U		0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Benzo (b) fluoranthene	mg/Kg	NE	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	_	0.108 U	0.0114 U	0.112 U	0.0113 U	NA.	NA	NA
Benzo (g,h,i) perylene	mg/Kg	210	0.104 U	0.0126 U		0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	_	0.108 U	0.0114 U	0.112 U	0.0113 U	NA NA	NA NA	NA NA
Benzo (k) fluoranthene	mg/Kg			0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U		0.108 U	0.0114 U	0.112 U	0.0113 U	NA NA	NA NA	NA NA
Chrysene	mg/Kg	2100	0.104 U		0.172 U															
Dibenz (a,h) anthracene	mg/Kg	NE	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Fluoranthene	mg/Kg	30000	0.139	0.0126 U	0.172 U	0.0125 U	0.196 F1	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.120	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Fluorene	mg/Kg	30000	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Indeno (1,2,3-cd) pyrene	mg/Kg	21	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Naphthalene	mg/Kg	17	0.104 U	0.0126 U	0.172 U	0.0125 U	0.123 U	0.0116 U	0.0118 U	0.0113 U	0.0387	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Phenanthrene	mg/Kg	NE	0.104 U	0.0126 U	0.172 U	0.0125 U	0.140	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Pyrene	mg/Kg	23000	0.113	0.0126 U	0.172 U	0.0125 U	0.139	0.0116 U	0.0118 U	0.0113 U	0.0115 U	0.0115 U	-	0.108 U	0.0114 U	0.112 U	0.0113 U	NA	NA	NA
Purgeable Petroleum Hydrocarbons Gasoline Range Organics	mg/Kg	2200	9.41 U	9.68 U	9.50 U	9.64 U	9.95 U	9.82 U	9.39 U	9.75 U	9.36 U	9.76 U	_	9.37 U	9.64 U	9.38 U	9.82 U	NA	NA	NA
Total Extractable Petroleum Hydrocarbons	//-	420	9.72 U	9.54 U	63.5 Z	9.66 U	40.1	9.61 U	11.4 Z	9.49 U	9.61 U	9.95 U		348 Z	9.79 U	26.3 Z	9.77 U	NA	NA	NA
Diesel Range Organics	mg/Kg	420	9.72 U	7.34 0	63.3 Z	7.00 U	40.1	7.01 U	11.4 L	7.47 U	7.01 U	7.73 U	-	340 Z	7./7 U	20.3 2	7.// U	INA	INA	INA
Metals	/V	3	11.9	3.83 U	8.14	7.94 U	7.87	23.3	14.3 U	6.22	8.02	7.98	0%	8.47	15.7	7.68	3.88	NA	NA	NA
Arsenic	mg/Kg		147		181	7.94 U 144	214	104	174	50.8	139	244	55%	174	694	1.00	191	NA NA	NA NA	NA NA
Barium	mg/Kg	220000		149	101						107		JJ /0			1.72.17	17.1			
Cadmium	mg/Kg	980	0.794 U	0.958 U	0.938 U	1.98 U	0.977 U	1.86 U	3.58 U	0.876 U	0.895 U	0.882 U	1007	1.6 U	1.02 U	1.63 U	0.847 U	NA	NA	NA
Chromium	mg/Kg	1800000	14.1	28.6	16.9	31.0	21.0	18.9	19.7	14.0	18.2	16.4	10%	12.1	24.3	14.4	11.9	NA	NA	NA
Lead	mg/Kg	800	12.4	25.0	24.4	20.7	82.0	10.7	17.9 U	8.20	11.9	11.1	7%	10.3	12.6	9.33	5.27	NA	NA	NA
Selenium	mg/Kg	5800	5.96 U	7.19 U	7.04 U	14.9 U	7.33 U	14.00 U	26.9 U	6.57 U	6.71 U	6.62 U	-	12.0 U	7.64 U	12.2 U	6.35 U	NA	NA	NA
Silver	mg/Kg	5800	0.794 U	0.958 U	0.938 ∪	1.98 U	0.977 U	1.86 U	3.58 U	0.876 U	0.895 U	0.882 U	-	1.60 U	1.02 U	1.63 U	0.847 U	NA	NA	NA
Mercury Mercury	mg/Kg	46	0.0282	0.0642	0.0315	0.0595	0.0234	0.0283	0.0259	0.0181	0.0272	0.0319	16%	0.0185	0.0329	0.0264	0.0198 U	NA	NA	NA

- Notes:
 Bold and shaded values indicates detection above the RSL.
 Bold RPD indicates an advisory for reliance on these concentrations.
 F1 = MS and/or MSD recovery is outside control limits.
 FD1 (0-2') is a duplicate sample of GP5A (0-2').
 mg/Kg = Milligrams per kilogram.
 NA = Not applicable.
 NE = Not established.
 RPD = Relative percent difference.
 RSL = US EPA Regional Screening Level (Industrial Soil), June 2017.
 U = Analyte not detected at or above the stated limit.
 Z = The chromatographic response does not resemble a typical fuel pattern.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS
DAKOTABILITIES PROPERTY PHASE II ESA
SIOUX FALLS, SOUTH DAKOTA

		Sample ID: aboratory ID: ample Date:	GP1/TW1 310-107593-1 6/7/2017	GP2/TW2 310-107593-2 6/7/2017	GP3/TW3 310-107593-3 6/7/2017	GP4/TW4 310-107593-4 6/7/2017	GP6/TW6 310-107593-5 6/7/2017	GP7/TW7 310-107593-6 6/7/2017	FD1 310-107593-7 6/7/2017		TB03 310-107593-8 6/7/2017
Analytes	Units	MCL								RPD	
Volatile Organic Compounds											
Acetone	μg/L	NE	10.0 U	10.0 U		10 U					
Benzene	μg/L	5	0.500 U	0.500 U		0.500 U					
Bromobenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
Bromochloromethane	μg/L	NE	5.00 U	5.00 U		5.00 U					
Bromodichloromethane	μg/L	80	1.00 U	1.00 U		1.00 U					
Bromoform	μg/L	80	5.00 U	5.00 U		5.00 U					
Bromomethane	μg/L	NE	4.00 U	4.00 U		4.00 U					
2-Butanone (MEK)	μg/L	NE	10.0 U	10.0 U		10.00 U					
n-Butylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
sec-Butylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
tert-Butylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
Carbon Disulfide	μg/L	NE	1.00 U	1.00 U		1.00 U					
Carbon Tetrachloride	μg/L	5	2.00 U	2.00 U		2.00 U					
Chlorobenzene	μg/L	100	1.00 U	1.00 U		1.00 U					
Chlorodibromomethane	μg/L	NE	5.00 U	5.00 U		5.00 U					
Chloroethane	µg/L	NE	4.00 U	4.00 U		4.00 U					
Chloroform	μg/L	80	1.00 U	1.00 U		1.00 U					
Chloromethane	μg/L	NE NE	3.00 U	3.00 U		3.00 U					
2-Chlorotoluene	μg/L	NE	1.00 U	1.00 U		1.00 U					
4-Chlorotoluene		NE	1.00 I	1.00 I		1.00 U					
1,2-Dibromo-3-chloropropane	µg/L	0.2	5.00 U	5.00 U		5.00 U					
	μg/L		1.00 U	1.00 U		1.00 U					
1,2-Dibromoethane (EDB)	μg/L	0.05									
Dibromomethane	μg/L	NE	1.00 U	1.00 U		1.00 U					
1,2-Dichlorobenzene	μg/L	600	1.00 U	1.00 U		1.00 U					
1,3-Dichlorobenzene	µg/L	NE	1.00 U	1.00 U		1.00 U					
1,4-Dichlorobenzene	μg/L	75	1.00 U	1.00 U		1.00 U					
Dichlorodifluoromethane	μg/L	NE	3.00 U^	3.00 U^		3.00 U^					
1,1-Dichloroethane	μg/L	NE	1.00 U	1.00 U		1.00 U					
1,2-Dichloroethane	μg/L	5	1.00 U	1.00 U		1.00 U					
1,1-Dichloroethene	μg/L	7	2.00 U*	2.00 U*		2.00 U*					
cis-1,2-Dichloroethene	μg/L	70	1.00 U	1.00 U		1.00 U					
trans-1,2-Dichloroethene	μg/L	100	1.00 U	1.00 U		1.00 U					
1,2-Dichloropropane	μg/L	5	1.00 U	1.00 U	1.00 ∪	1.00 U	1.00 ∪	1.00 U	1.00 ∪		1.00 U
1,3-Dichloropropane	μg/L	NE	1.00 U	1.00 U		1.00 U					
2,2-Dichloropropane	μg/L	NE	4.00 U	4.00 U		4.00 U					
1,1-Dichloropropene	μg/L	NE	1.00 U	1.00 U		1.00 U					
cis-1,3-Dichloropropene	μg/L	NE	5.00 U	5.00 U		5.00 U					
trans-1,3-Dichloropropene	μg/L	NE	5.00 U	5.00 U		5.00 U					
Ethylbenzene	µg/L	700	1.00 U	1.00 U		1.00 U					
Hexachlorobutadiene	μg/L	NE	5.00 U	5.00 U		5.00 U					
Hexane	μg/L	NE	1.00 U	1.00 U		1.00 U					
Isopropylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
p-Isopropyltoluene		NE	1.00 U	1.00 U		1.00 U					
Methylene Chloride	µg/L	5	5.00 U	5.00 U		5.00 U					
	µg/L		1.00 U	1.00 U		1.00 U					
Methyl tert-Butyl Ether	μg/L	NE									
Naphthalene	μg/L	NE	5.00 U	5.00 U		5.00 U					
n-Propylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
Styrene	μg/L	100	1.00 U	1.00 U		1.00 U					
1,1,1,2-Tetrachloroethane	μg/L	NE	1.00 U	1.00 U		1.00 U					
1,1,2,2-Tetrachloroethane	μg/L	NE	1.00 U	1.00 U		1.00 U					
Tetrachloroethene	μg/L	5	1.00 U*	1.00 U*		1.00 U*					
Toluene	μg/L	1000	1.00 U	1.00 U	1.00 U	1.00 ∪	1.00 U	1.00 U	1.00 U		1.00 U

TABLE 3

GROUNDWATER ANALYTICAL RESULTS DAKOTABILITIES PROPERTY PHASE II ESA SIOUX FALLS, SOUTH DAKOTA

		Sample ID: aboratory ID: ample Date:	GP1/TW1 310-107593-1 6/7/2017	GP2/TW2 310-107593-2 6/7/2017	GP3/TW3 310-107593-3 6/7/2017	GP4/TW4 310-107593-4 6/7/2017	GP6/TW6 310-107593-5 6/7/2017	GP7/TW7 310-107593-6 6/7/2017	FD1 310-107593-7 6/7/2017		TB03 310-107593-8 6/7/2017
Analytes	Units	MCL								RPD	
Volatile Organic Compounds (continued)											
1,2,3-Trichlorobenzene	μg/L	NE	5.00 U	5.00 U		5.00 U					
1,2,4-Trichlorobenzene	μg/L	70	5.00 U	5.00 U	5.00 U	5.00 ∪	5.00 U	5.00 U	5.00 U		5.00 U
1,1,1-Trichloroethane	μg/L	200	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪		1.00 U
1,1,2-Trichloroethane	μg/L	5	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪		1.00 U
Trichloroethene	μg/L	5	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪	1.00 ∪		1.00 U
Trichlorofluoromethane	μg/L	NE	4.00 ∪	4.00 ∪	4.00 U	4.00 ∪	4.00 ∪	4.00 ∪	4.00 ∪		4.00 U
1,2,3-Trichloropropane	μg/L	NE	1.00 U	1.00 U		1.00 U					
1,2,4-Trimethylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
1,3,5-Trimethylbenzene	μg/L	NE	1.00 U	1.00 U		1.00 U					
Vinyl Chloride	μg/L	2	1.00 U	1.00 U	1.00 U	1.00 U	1.00 ∪	1.00 U	1.00 U		1.00 U
Xylenes, Total	μg/L	10000	3.00 ∪	3.00 U	3.00 ∪		3.00 U				
Semi-Volatile Organic Compounds											
2-Methylnaphthalene	μg/L	NE	0.500 U	0.472 U	0.521 U	0.472 U	0.463 U	0.463 U	0.463 U		NA
Acenaphthene	μg/L	NE	0.100 U	0.0943 U	0.104 U	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Acenaphthylene	μg/L	NE	0.100 U	0.0943 U	0.104 U	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Anthracene	μg/L	NE	0.100 U	0.0943 U	0.104 U	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Benzo (a) anthracene	μg/L	NE	0.100 U	0.0943 U	0.187	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Benzo (a) pyrene	μg/L	0.2	0.100 U	0.0943 U	0.399	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Benzo (b) fluoranthene	μg/L	NE	0.100 U	0.0943 U	0.308	0.0943 U	0.0974	0.0926 U	0.0926 U		NA
Benzo (g,h,i) perylene	μg/L	NE	0.100 U	0.0943 U	2.24	0.0943 U	0.0926 U	0.0926 UF1	0.0926 U		NA
Benzo (k) fluoranthene	μg/L	NE	0.100 U	0.0943 U	0.322	0.0943 U	0.107	0.0926 U	0.0926 U		NA
Chrysene	μg/L	NE	0.100 U	0.0943 U	0.165	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Dibenz (a,h) anthracene	μg/L	NE	0.100 U	0.0943 U	2.40	0.0943 U	0.0726 U	0.0926 UF1	0.0726 U		NA
Fluoranthene	μg/L	NE	0.100 U	0.0943 U	0.139	0.0943 U	0.0726 U	0.0926 U	0.0726 U		NA
Fluorene		NE	0.100 U	0.0943 U	0.104 U	0.0743 U	0.0726 U	0.0726 U	0.0726 U		NA
	μg/L			0.0943 U	2.19	0.0943 U	0.0726 U	0.0726 UF1	0.0726 U		NA
Indeno (1,2,3-cd) pyrene	μg/L	NE	0.100 U						0.463 U		NA
Naphthalene	μg/L	NE	0.500 U	0.472 U	0.521 U	0.472 U	0.463 U	0.463 U			
Phenanthrene	μg/L	NE	0.100 U	0.0943 U	0.104 U	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Pyrene	μg/L	NE	0.100 U	0.0943 U	0.139	0.0943 U	0.0926 U	0.0926 U	0.0926 U		NA
Purgeable Petroleum Hydrocarbons		N.E	1000 11	1000 11	1000 11	1000 11	1000 11	1000 11	1000 11		A I A
Gasoline Range Organics	μg/L	NE	1000 U	1000 U		NA					
Total Extractable Petroleum Hydrocarbons Diesel Range Organics	μg/L	NE	306 U	294 U	278 U	278 U	278 U	300 U	313 U		NA
Metals											
Arsenic	mg/L	0.01	0.00223	0.00200 U	0.00200 U	0.00200 U	0.00402	0.00200 U	0.00224		NA
Barium	mg/L	2	0.195	0.158	0.154	0.0891	0.202	0.189	0.195	3%	NA
Cadmium	mg/L	0.005	0.000500 U	0.000500 U		NA					
Chromium	mg/L	0.10	0.00500 U	0.00500 U		NA					
Lead	mg/L	0.015	0.000997	0.000593	0.00178	0.00190	0.000500 U	0.00114	0.000900	24%	NA
Selenium	mg/L	0.05	0.00500 U	0.00500 U		NA					
Silver	mg/L	NE	0.00100 U	0.00100 U		NA					
Mercury											
Mercury	mg/L	0.002	0.000200 U	0.000200 U		NA					

Notes:

Bold and shaded values indicates detection above the MCL.

A = ICV, CCV, ICB, CCB, ISA, ISB, CRI, CRA, DLCK, or MRL standard instrument related QC is outside acceptance limits.

^{* =} LCS or LCSD is outside acceptance limits.
F1 = MS and/or MSD recovery is outside acceptance limits.

FD1 is a duplicate sample of GP7/TW7.
μg/L = Micrograms per liter.
mg/L = Milligrams per liter.
NA = Not applicable.

NE = Not established.

RPD = Relative percent difference.

MCL = US EPA Maximum Contaminant Level, June 2017.

U = Analyte not detected at or above the stated limit.



DakotAbilities Property, Sioux Falls, South Dakota

APPENDICES

APPENDIX A - REGULATED BUILDING MATERIALS SURVEY



FINAL REPORT ASBESTOS & LEAD PAINT SURVEY

3600 SOUTH DULUTH AVENUE SIOUX FALLS, SD 57105



PREPARED FOR:

STANTEC 2335 HIGHWAY 36 WEST ST. PAUL, MN 55113-3819

LEGEND NO. 1702329

JUNE 21, 2017

PREPARED BY:

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive St. Paul, MN 55103 651/642-1150



June 21, 2017

88 Empire Drive St. Paul, MN 55103 Tel: 651-642-1150 Fax: 651-642-1239

Mr. David Constant Stantec Consulting Services, Inc. 2335 Highway 36 West St. Paul, MN 55113-3819

RE: Asbestos & Lead Paint Survey 3600 South Duluth Avenue Sioux Falls, SD 57105 LEGEND No. 1702329

Dear Mr. Constant:

LEGEND TECHNICAL SERVICES, INC. (LEGEND) is pleased to submit this report of the asbestos and lead paint survey of the property located at 3600 South Duluth Ave. in Sioux Falls, SD. The survey was performed on June 7, 2017.

If you have any questions regarding this report please contact us at (651) 642-1150.

Cordially,

LEGEND TECHNICAL SERVICES, INC.

Andrew Tinklenberg Industrial Hygienist

FINAL REPORT ASBESTOS & LEAD PAINT SURVEY

3600 SOUTH DULUTH AVENUE SIOUX FALLS, SD 57105

LEGEND No. 1702329

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EXECUTIVE SUMMARY 3600 SOUTH DULUTH AVENUE, SIOUX FALLS, SD

The following is the final report of the asbestos and lead paint survey of the buildings located at 3600 South Duluth Ave. in Sioux Falls, SD. The survey was performed on June 7, 2017 with analysis of suspect bulk asbestos materials completed on June 12 & 15, 2017 and analysis of lead paint chip samples performed on June 16, 2017.

A. ASBESTOS CONTAINING MATERIALS

MATERIAL	LOCATION	APPROXIMATE QUANTITY	ABATEMENT ESTIMATE
Thin Gray Floor Tile & Mastic (Under Carpet)	Offices 4 & 5, Conference Rm.	760 Square Feet	\$3,800
Gray Poly/Vapor Barrier Adhesive (Behind Drywall)	Interior Perimeter Walls	Unknown ¹	\$10,000 ¹
Roof Access Hatch Sealant	Main Building Rooftop	8 Linear Feet	\$200 ²
Exhaust Flue Sealant	Shed Rooftop	4 Linear Feet	\$100
Ridge Cap Caulk (Underside)	Shed Rooftop	32 Linear Feet	\$500

¹ - Abatement estimate assumes the material to be present on block walls behind all perimeter drywall walls.

See Table #1 in the appendix for further information on samples collected. See Diagrams #1-#2 for sample locations and asbestos containing material locations.

B. LEAD-BASED PAINT

One XRF reading of the white paint on the metal rooftop access cover was found to be inconclusive (1.0 mg/cm²). A chip sample of the paint was collected and the sample was confirmed to be lead-based paint (18,000 mg/kg).

		APPROXIMATE	ABATEMENT
MATERIAL	LOCATION	QUANTITY	ESTIMATE
White Paint on Metal	Main Building	10 Square Feet	\$200 ²
Rooftop Access Cover	Rooftop		

² Remediation cost estimate assumes the removal/replacement of the metal access cover. Cost for the removal of the asbestos containing sealant present on rooftop access hatch would also be included in this estimate.

See Table #2 in the appendix for further information on the lead-based paint testing. See Table #3 in the appendix for further information on the lead paint chip sampling. See Diagrams #1-#2 for paint chip sample locations and lead-based paint locations.

NARRATIVE REPORT 3600 SOUTH DULUTH AVENUE, SIOUX FALLS, SD

1.0 INTRODUCTION

The following is the final report of the asbestos and lead paint survey of the buildings located at 3600 South Duluth Ave. in Sioux Falls, SD. The survey was performed on June 7, 2017 with analysis of suspect bulk asbestos materials completed on June 12 & 15, 2017 and analysis of lead paint chip samples performed on June 16, 2017. Site inspection for LEGEND TECHNICAL SERVICES, INC. was performed by Patti Roettger, certified South Dakota Department of Environment and Natural Resources (SDDENR) Asbestos Inspector No. 7146 and Andrew Tinklenberg, certified SDDENR Asbestos Inspector No. 7139 and EPA Region 8 Lead Risk Assessor No. T8-R-16920-3.

2.0 BACKGROUND INFORMATION

The main building is a one-level office building with a small metal storage shed along the northeast corner. The main building consists of a rubber membrane rooftop and is heated and cooled by a forced air furnace and/or rooftop air handling units. Pipe insulation was observed to be fiberglass. Destructive testing methods were not utilized (i.e. wall and ceiling cavities were not opened up to look for concealed materials) and no roof core sampling was conducted so as not to damage the integrity of the rooftop.

3.0 ASSESSMENT PROCEDURE

3.1 Assessment Survey

A walk-through survey of the buildings was performed and samples were collected of materials suspected of containing asbestos. Asbestos samples were collected in a random fashion. Refer to Section A of the Executive Summary for a list of materials.

3.2 Methodology

Analysis of Materials for Asbestos

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993 and "Interim Method for the Determination of Asbestos in Bulk Insulation Samples," EPA-600M4-82-020, Dec. 1982. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received.

Analysis of Lead-Based Paint

Lead paint readings were collected in a nondestructive manner using a X-Ray Fluorescence (XRF) Lead Paint Analyzer manufactured by RMD Instruments (model LPA-1), serial number 1346. The RMD LPA-1 XRF uses a radiation source of Cobalt-57 with a maximum radiation activity of 12 millicurie for paint identification. X-ray fluorescence quantitatively measures the concentration of lead within paint by bombarding it with ionizing radiation. This process causes the sample to emit X-rays which are detected and analyzed by the XRF to give a concentration of lead in the sample. An instrument calibration check is performed prior to and after testing to ensure accuracy of measurements.

Paint chip samples were collected for laboratory analysis to confirm the XRF Analyzer field results for the presence or absence of lead in paint. The paint chips were collected by scraping a small area (approximately four square inches) of paint directly into a plastic baggie. The sample was often collected at a damaged paint surface. If possible, each sample included all layers of paint noted to be present on the substrate. The samples were analyzed in LEGEND's St. Paul laboratory in accordance with methods based on current U.S. EPA protocols, EPA SW-846, Method 6010C using ICP.

4.0 DISCUSSION

4.1 Asbestos

Fifty-eight (58) bulk samples were collected from the buildings. Materials sampled included drywall and joint compound, carpet adhesive, sheet flooring, floor tile and adhesive, baseboard adhesive, window glazings, ceiling panels, ceiling texture, wall panel adhesive, under slab ductwork, sink undercoatings, vapor barrier adhesives and various caulks/sealants. Of the 58 samples collected, six (6) were found to be asbestos containing. An asbestos containing material is defined as any material containing greater than (>) 1% asbestos. Materials sampled and found to contain asbestos or previously known to contain asbestos include the following.

Thin gray floor tile and mastic were found to contain asbestos. The floor tile and mastic are present under carpeting in Office 4, the Conference Room and Office 5. The floor tile and mastic were in good condition.

Gray vapor barrier/poly adhesive in the east closet of the cubicle area was found to contain asbestos. Two other types of vapor barrier/poly adhesive were present (black & tan) and were both found to be non-asbestos containing. The exact location and extent of the gray vapor barrier/poly adhesive is unknown as the material may continue behind the perimeter drywall walls of the building, but could not be verified due to the non-destructive nature of the survey. The gray vapor barrier/poly adhesive was in good condition.

Roof access hatch sealant was found to contain asbestos. The hatch sealant is located on the rooftop of the main building around the perimeter of the metal cover for the access hatch to the rooftop. The sealant is in poor condition.

Exhaust flue sealant was found to contain asbestos. The flue sealant is located on the rooftop of the northeast shed. The sealant is in poor condition.

Ridge cap caulking was found to contain asbestos. The caulking is gray/black and is located on the rooftop of the shed on the underside of the metal ridge cap. The caulking is in good condition.

See Table #1 in the appendix for further information on the asbestos samples collected. See Diagrams #1-#2 for sample locations and asbestos containing material locations.

4.2 Lead-Based Paint

LEGEND tested eighty-six (86) areas, including six (6) calibration readings for the presence of lead based paint (LBP) in the buildings. One (1) of those areas was found to have lead in paint levels of greater than or equal to 1.0 milligrams per square centimeter (1.0 mg/cm²).

The white rooftop metal access cover paint located in the exterior rooftop was found to be inconclusive (1.0 mg/cm²). A chip sample of the paint was collected and found to contain 18,000 mg/kg of lead. Lead-based paint is defined by the Environmental Protection Agency (EPA) as any paint containing lead in concentration of 5,000 milligram per kilogram (mg/kg) or greater. The white metal rooftop access cover paint was in poor condition.

See Table #2 in the appendix for further information on the lead-based paint testing. See Table #3 in the appendix for further information on the lead paint chip sampling. See Diagrams #1-#2 for paint chip sample locations and lead-based paint locations.

5.0 REMARKS

This report represents our findings through sampling, analysis, and visual inspection of materials. Samples were collected using accepted EPA AHERA inspection techniques. Other than this no warranty or guarantee is implied or intended. Other suspect asbestos materials may be present in the building, but could not be verified due to the non-destructive nature of the survey. These materials include fire doors, live electrical components, foundation sealant, etc.

Submitted by:

LEGEND TECHNICAL SERVICES, INC.

Andrew Tinklenberg SDDENR Asbestos Inspector No. 7139 Lead Risk Assessor No. T8-R-16920-3 Patti Roettger SDDENR Asbestos Inspector No. 7146 EPA Microscopist

Patti Roettger

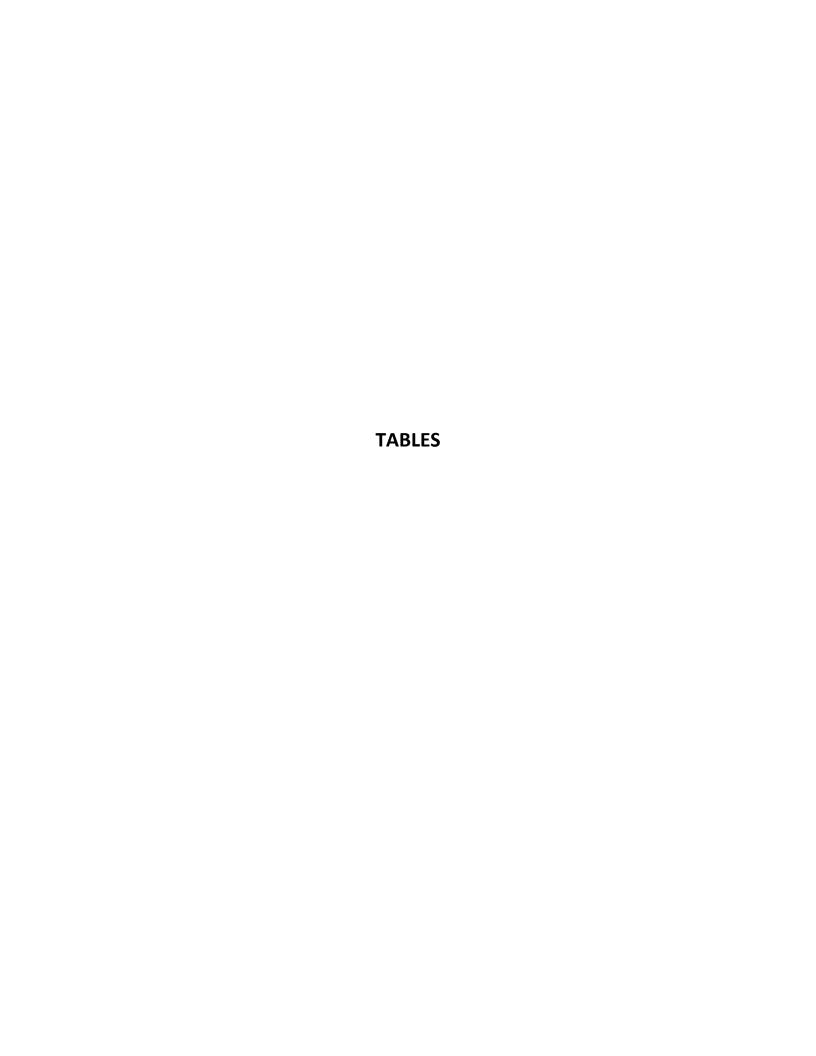


TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

			MATERIAL/		
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-1	1702329-1	Main Floor Dining Room	Black Sink Undercoating Black, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-2	1702329-2	Main Floor Dining Room	Window Glazing (Wood Windows) Gray, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-3	1702329-3	Main Floor Dining Room	Window Glazing (Inlaid on Door) Black, Cementitious Homogeneous	None Detected	3% Cellulose 97% Nonfibrous
3600-4	1702329-4	Main Floor Dining Room	2'x2' Ceiling Panel – Smooth, Drywall White, Cementitious Homogeneous	None Detected	5% Cellulose 93% Nonfibrous 3% Glass Fibers
3600-5	1702329-5	Main Floor Dining Room	Drywall White, Cementitious Homogeneous	None Detected	5% Cellulose 95% Nonfibrous
3600-6	1702329-6	Main Floor Dining Room	Joint Compound Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-7	1702329-7	Main Floor Break Room	2'x2' Ceiling Panel – Craters & Pinholes #1 Gray, Fibrous Homogeneous	None Detected	30% Cellulose 30% Nonfibrous 40% Glass Fibers
3600-8	1702329-8	Main Floor Laundry	Tan Base Cove Adhesive Tan, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous

< = Less than the number shown Page 1 of 8

TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

			MATERIAL/		
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-9	1702329-9	Main Floor Laundry	Residual Floor Mastic Black, Cementitious Homogeneous	None Detected	2% Cellulose 95% Nonfibrous 3% Synthetic Fibers
3600-10	1702329-10	Main Floor Office #2	2'x2' Ceiling Panel – Craters & Pinholes #2 Gray, Fibrous Homogeneous	None Detected	25% Cellulose 40% Nonfibrous 35% Glass Fibers
3600-11	1702329-11	Main Floor Work Floor	Pebble Pattern Sheet Flooring Tan, Cementitious Homogeneous	None Detected	97% Nonfibrous 3% Glass Fibers
3600-12	1702329-12	Main Floor Work Floor	Sheet Floor Paper Backing Gray, Fibrous Homogeneous	None Detected	45% Cellulose 10% Nonfibrous 45% Glass Fibers
3600-13	1702329-13	Main Floor Comm. Room	Pebble Pattern Sheet Flooring Tan, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-14	1702329-14	Main Floor Comm. Room	Sheet Floor Paper Backing Gray, Fibrous Homogeneous	None Detected	50% Cellulose 10% Nonfibrous 40% Glass Fibers
3600-15	1702329-15	Main Floor Office #4	Carpet Mastic Gold, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-16	1702329-16	Main Floor Office #8	Wood Pattern Sheet Flooring White, Cementitious Homogeneous	None Detected	80% Nonfibrous 20% Glass Fibers

< = Less than the number shown Page 2 of 8

TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
SAIVIF LE IVO.	LAB NO.	LOCATION	FITTSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF WATERIAL
3600-17	1702329-17	Main Floor Office #8	Sheet Flooring Adhesive Gold, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-18	1702329-18	Main Floor Men's Restroom	Joint Compound White, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-19	1702329-19	Main Floor Nursing	White Sink Undercoating Beige, Cementitious Homogeneous	None Detected	10% Cellulose 90% Nonfibrous
3600-20	1702329-20	Main Floor Hallway out Office #8	Glass Board Adhesive Tan, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-21	1702329-21	Main Floor Hallway out Comm. Room	Base Cove Adhesive Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-22	1702329-22	Main Floor Laundry Room	Joint Compound Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-23	1702329-23	Main Floor Cubicle Area	Joint Compound Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-24	1702329-24	Main Floor Storage #1	2'x2' Ceiling Panel – Fissures & Pinholes Gray, Fibrous Homogeneous	None Detected	30% Cellulose 25% Nonfibrous 45% Glass Fibers

< = Less than the number shown Page 3 of 8

TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

			MATERIAL/		
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-25	1702329-25	Main Floor Storage #2	12"x12" Tan Floor Tile Tan, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-26	1702329-26	Main Floor Storage #2	Floor Tile Mastic Black, Cementitious Homogeneous	None Detected	95% Nonfibrous 5% Synthetic Fibers
3600-27	1702329-27	Main Floor Shower Room	12"x12" Gold Floor Tile Gold, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-28	1702329-28	Main Floor Shower Room	Floor Tile Adhesive Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-29	1702329-29	Main Floor Office #1	2'x2' Ceiling Panel – Rough, Recessed Gray, Fibrous Homogeneous	None Detected	35% Cellulose 20% Nonfibrous 45% Glass Fibers
3600-30	1702329-30	Main Floor Garage	Popcorn Ceiling Texture White, Cementitious Homogeneous	None Detected	95% Nonfibrous 5% Mica
3600-31	1702329-31	Main Floor Garage	Popcorn Ceiling Texture White, Cementitious Homogeneous	None Detected	95% Nonfibrous 5% Mica
3600-32	1702329-32	Main Floor Garage	Popcorn Ceiling Texture White, Cementitious Homogeneous	None Detected	90% Nonfibrous 10% Mica

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TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

CANADIENIC	LADAIO	LOCATION	MATERIAL/	ACDECTOC CONTENT	DALANICE OF MATERIAL
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-33	1702329-33	Main Floor Office #4	Thin Floor Tile (Under Carpet) Gray, Cementitious Homogeneous	3% Chrysotile	97% Nonfibrous
3600-34	1702329-34	Main Floor Office #4	Floor Tile Mastic Black, Cementitious Homogeneous	10% Chrysotile	90% Nonfibrous
3600-35	1702329-35	Main Floor Office #3	Residual Mastic Under Carpet Black, Cementitious Homogeneous	None Detected	97% Nonfibrous 3% Synthetic Fibers
3600-36	1702329-36	Main Floor Mech. Room	Gold Sheet Flooring Gold, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-37	1702329-37	Main Floor Mech. Room	Sheet Floor Paper Backing Gray, Fibrous Homogeneous	None Detected	60% Nonfibrous 40% Glass Fibers
3600-38	1702329-38	Main Floor Mech. Room	Sheet Flooring Adhesive Brown, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-39	1702329-39	Main Floor Cubicle Area East Closet	Black Vapor Barrier Adhesive Black, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-40	1702329-40	Main Floor Cubicle Area East Closet	Tan Vapor Barrier Adhesive Tan, Cementitious Homogeneous	None Detected	100% Nonfibrous

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TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

CAAADI 5 N.C			MATERIAL/	ACDECTOR CONTENT	DALANCE OF A4:===:::
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-41	1702329-41	Main Floor	Gray Vapor Barrier Adhesive	10% Chrysotile	90% Nonfibrous
		Cubicle Area	Gray, Cementitious		
		East Closet	Homogeneous		
3600-42	1702329-42	Main Floor	Ductwork Under Concrete Slab	None Detected	90% Cellulose
		Office #8	Tan, Fibrous		8% Nonfibrous
			Homogeneous		2% Glass Fibers
3600-43	1702329-43	Main Floor	2'x4' Ceiling Panel – Craters & Pinholes	None Detected	45% Cellulose
		Office #4	Gray, Fibrous		15% Nonfibrous
			Homogeneous		40% Glass Fibers
3600-44	1702329-44	Main Floor	2'x4' Ceiling Panel – Scratch Pattern	None Detected	50% Cellulose
		Conference Room	Gray, Fibrous		10% Nonfibrous
			Homogeneous		40% Glass Fibers
3600-45	1702329-45	Main Floor	2'x4' Ceiling Panel – Wormhole Pattern	None Detected	40% Cellulose
		Office #5	Gray, Fibrous		20% Nonfibrous
			Homogeneous		40% Glass Fibers
3600-46	1702329-46	Main Floor	2'x4' Ceiling Panel – Fissures & Pinholes	None Detected	45% Cellulose
		Office #9	Gray, Fibrous		10% Nonfibrous
			Homogeneous		45% Glass Fibers
3600-47	1702329-47	Main Floor	2'x4' Ceiling Panel – Fissures & Pinholes	None Detected	40% Cellulose
		Conference Room	(Newer)		25% Nonfibrous
			Gray, Fibrous		35% Glass Fibers
			Homogeneous		
3600-48	1702329-48	Main Floor	Joint Compound	None Detected	100% Nonfibrous
		Office #6	White, Cementitious		
			Homogeneous		

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TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

			MATERIAL/		
SAMPLE NO.	LAB NO.	LOCATION	PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-49	1702329-49	Main Floor Office #2	Window Glazing Black, Cementitious Homogeneous	None Detected	3% Cellulose 97% Nonfibrous
3600-50	1702329-50	Main Floor Storage #4	Window Glazing (Inlaid on Wood Door) Black, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-51	1702329-51	Main Floor Cubicle Area	Joint Compound White, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-52	1702329-52	Main Floor Hallway out Comm. Room	Joint Compound White, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-53	1702329-53	Exterior North Side	Concrete Expansion Caulk Gray, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous
3600-54	1702329-54	Exterior Shed	Base Seam Caulk Black, Cementitious Homogeneous	None Detected	2% Cellulose 97% Nonfibrous <1% Glass Fibers
3600-55	1702329-55	Exterior Shed	Roof Edge Seam Caulk Black, Cementitious Homogeneous	None Detected	100% Nonfibrous
3600-56	1702329-56	Exterior Shed	Exhaust Flue Sealant Black, Cementitious Homogeneous	10% Chrysotile	90% Nonfibrous

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TABLE #1 LEGEND No. 1702329

STANTEC SURVEYS 3600 South West Avenue, Sioux Falls, SD

PLM BULK ASBESTOS RESULTS

SAMPLE NO.	LAB NO.	LOCATION	MATERIAL/ PHYSICAL DESCRIPTION	ASBESTOS CONTENT	BALANCE OF MATERIAL
3600-57	1702329-57	Exterior Shed	Ridgecap Caulk Black, Cementitious Homogeneous	10% Chrysotile	90% Nonfibrous
3600-58	1702329-58	Exterior Main Building Rooftop	Residual Flashing Sealant Black, Cementitious Homogeneous	15% Chrysotile	85% Nonfibrous

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LEGEND TECHNICAL SERVICES, INC. TABLE #2 LEAD IN PAINT TESTING

LEGEND No. 1702329

Stantec – 3600 South Duluth Avenue, Sioux Falls, SD

Test No.	Building Level	Room Name/No.	Direction	Component	Substrate Type	Color	Lead Result mg/cm ²	Damage / Condition
1		Calibration					1.0	
2		Calibration					1.0	
3		Calibration					0.0	
4	Main	Dining Room	South	Wall	Block	Tan	0.0	Fair
5	Main	Dining Room	North	Wall	Drywall	Tan	0.0	Fair
6	Main	Dining Room	South	Door	Metal	Black	0.0	Fair
7	Main	Dining Room	South	Door/Window Frame	Metal	Black	0.0	Intact
8	Main	Break Room	East	Wall	Drywall	Tan	0.0	Fair
9	Main	Break Room	West	Wall	Block	Tan	0.0	Fair
10	Main	Break Room	North	Door	Metal	Black	0.0	Fair
11	Main	Break Room	North	Door Frame	Metal	Black	0.0	Fair
12	Main	PT Area	North	Wall	Block	Tan	0.0	Fair
13	Main	Maintenance	South	Wall	Block	White	0.0	Fair
14	Main	Maintenance	East	Wall	Drywall	White	0.0	Fair
15	Main	Maintenance	East	Door	Metal	White	0.0	Fair
16	Main	Maintenance	East	Door Frame	Metal	White	0.0	Fair
17	Main	Maintenance	East	Bumper Post	Metal	White	0.0	Fair
18	Main	Maintenance	North	Deck Support	Metal	Tan	0.0	Intact
19	Main	Maintenance	North	Deck/Ceiling	Metal	Tan	0.0	Intact
20	Main	Storage 1	South	Wall	Block	Blue	0.0	Intact
21	Main	Storage 1	East	Wall	Drywall	Blue	0.0	Intact
22	Main	Storage 2	East	Wall	Drywall	Tan	0.0	Intact
23	Main	Storage 2	North	Wall	Block	Tan	0.0	Intact
24	Main	East Entry	South	Wall	Block	Tan	0.0	Fair
25	Main	East Entry	South	Ladder	Metal	Tan	0.0	Fair
26	Main	East Entry	South	Roof Access Hatch	Metal	Tan	0.0	Fair
27	Main	East Entry	South	Coat Rack	Wood	Tan	0.0	Intact
28	Main	Office 1	West	Wall	Drywall	Tan	0.0	Intact
29	Main	Garage	East	Wall	Block	White	0.0	Intact
30	Main	Garage	East	Window Casing	Wood	White	0.1	Fair

mg/cm² = Milligrams per square centimeter

LEGEND TECHNICAL SERVICES, INC. TABLE #2 (continued) LEAD IN PAINT TESTING

Test No.	Bldg. Level	Room Name/No.	Direction	Component	Substrate Type	Color	Lead Result mg/cm ²	Damage / Condition
31	Main	Garage	Central	Ceiling	Drywall	White	0.0	Intact
32	Main	Office 2	South	Wall	Drywall	Tan	0.0	Intact
33	Main	Work Floor	South	Wall	Block	Tan	0.0	Fair
34	Main	Work Floor	West	Wall	Drywall	Tan	0.0	Fair
35	Main	Work Floor	West	Window Casing	Wood	Varnish	0.0	Intact
36	Main	Work Floor	West	Window Sill	Wood	Varnish	0.0	Intact
37	Main	Laundry	West	Wall	Drywall	White	0.0	Fair
38	Main	Nursing	West	Wall	Drywall	Tan	0.0	Fair
39	Main	Office 3	North	Wall	Drywall	Tan	0.0	Intact
40	Main	Women's Restroom	West	Wall	Drywall	Tan	0.0	Fair
41	Main	Women's Restroom	East	Stall	Metal	Red	0.0	Intact
42	Main	Men's Restroom	East	Wall	Drywall	Tan	0.0	Fair
43	Main	Storage 3	West	Wall	Drywall	Tan	0.0	Intact
44	Main	Cubicles	East	Wall	Drywall	Tan	0.0	Fair
45	Main	Electrical	South	Wall	Drywall	White	0.0	Intact
46	Main	Electrical	South	Elec. Panel	Metal	White	0.0	Fair
47	Main	Storage 4	South	Wall	Drywall	Tan	0.0	Intact
48	Main	Bath 1	East	Wall	Drywall	Red	0.0	Intact
49	Main	Bath 2	West	Wall	Drywall	Tan	0.0	Fair
50	Main	Office 4	East	Wall	Drywall	Red	0.0	Intact
51	Main	Conference	South	Wall	Drywall	Tan	0.2	Fair
52	Main	Conference	South	Door Frame	Metal	Tan	0.0	Fair
53	Main	Office 3	South	Wall	Drywall	Tan	0.0	Intact
54	Main	Office 3	South	Wall	Block	Tan	0.0	Intact
55	Main	Communications	South	Wall	Drywall	White	0.0	Intact
56	Main	Office 5	West	Wall	Drywall	Tan	0.2	Intact
57	Main	Office 7	West	Wall	Drywall	Tan	0.0	Intact
58	Main	Office 6	North	Wall	Drywall	Tan	0.0	Intact
59	Main	Office 8	West	Wall	Drywall	Tan	0.0	Intact
60	Main	Office 9	West	Wall	Drywall	Tan	0.0	Intact
61	Main	Reception	North	Wall	Drywall	Tan	0.0	Intact
62	Main	Reception	Central	Deck Support	Metal	Red	0.0	Intact
63	Main	West Entry	West	Wall	Drywall	White	0.1	Intact
64	Main	West Entry	West	Ceiling	Wood	White	0.1	Intact
65	Main	Exterior	West	Corner Board	Wood	Black	0.0	Intact

mg/cm² = Milligrams per square centimeter

LEGEND TECHNICAL SERVICES, INC. TABLE #2 (continued) LEAD IN PAINT TESTING

Test No.	Bldg. Level	Room Name/No.	Direction	Component	Substrate Type	Color	Lead Result mg/cm ²	Damage / Condition
66	Main	Exterior	West	Wall/Siding	Wood	Tan	0.0	Intact
67	Main	Exterior	North	Wall/Siding	Wood	Tan	0.0	Intact
68	Main	Exterior	North	Door Casing	Wood	Brown	0.0	Intact
69	Main	Shed Exterior	North	Wall	Metal	White	0.2	Fair
70	Main	Shed Exterior	South	Door	Metal	Brown	0.0	Fair
71	Main	Exterior	East	Wall/Siding	Wood	Tan	0.0	Intact
72	Main	Exterior	North	Overhead Door Casing	Wood	Brown	0.0	Intact
73	Main	Exterior	North	Overhead Door Jamb	Wood	Tan	0.0	Intact
74	Main	Exterior	North	Corner Board	Wood	Brown	0.1	Fair
75	Main	Exterior	North	Bumper Post	Metal	White	0.0	Fair
76	Main	Exterior	East	Door Casing	Wood	Black	0.1	Intact
77	Main	Exterior	East	Door	Metal	Brown	0.0	Fair
78	Main	Exterior	South	Wall/Siding	Wood	Tan	0.0	Intact
79	Main	Exterior	South	Window Frame	Metal	Brown	0.0	Fair
80	Rooftop	Exterior	Southeast	Roof Access Cover	Metal	White	1.0	Poor
81	Rooftop	Exterior	Northwest	Exhaust Vent	Metal	White	0.3	Fair
82	Main	Work Floor	Central	I-Beam	Metal	Tan	0.0	Poor
83	Main	Work Floor	East	Ductwork (Above Ceiling)	Metal	Tan	0.0	Poor
84		Calibration					1.0	
85		Calibration					1.0	
86		Calibration					0.0	

mg/cm² = Milligrams per square centimeter

TABLE #3 LEAD IN PAINT CHIP SAMPLE RESULTS

LEGEND No. 1702329

Stantec 3600 South Duluth Avenue, Sioux Falls, SD

Sample No.	Laboratory No.	Room Name/ Number	Sample Description	Lead Concentration (mg/kg)	Reporting Limit (mg/kg)
PC-1	1702445-1	Exterior Rooftop	White Metal Access Cover Paint	18,000	32

Lead-based paint is defined by HUD and the US EPA as any paint containing lead in concentration of 5,000 milligram per kilogram (mg/kg) or greater.